

# INTERNATIONAL SEARCH REPORT

Int. Application No  
PCT/IB2004/051819

**A. CLASSIFICATION OF SUBJECT MATTER**  
IPC 7 G06F13/14

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 G06F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No
A	US 5 111 425 A (TAKEUCHI ET AL) 5 May 1992 (1992-05-05) abstract column 1, line 8 - column 2, line 19	1-25
A	US 4 782 439 A (BORKAR ET AL) 1 November 1988 (1988-11-01) the whole document	1-25
A	US 4 716 523 A (BURRUS, JR. ET AL) 29 December 1987 (1987-12-29) abstract column 4, line 3 - column 5, line 48	1-25
A	US 2003/093492 A1 (BADE PAUL R ET AL) 15 May 2003 (2003-05-15) the whole document	1-25
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex

\* Special categories of cited documents:

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- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance, the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance, the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- \*G\* document member of the same patent family

Date of the actual completion of the international search

9 March 2005

Date of mailing of the international search report

16/03/2005

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No
A	<p>WD 94/09436 A (COMPAQ COMPUTER CORPORATION) 28 April 1994 (1994-04-28)  abstract  page 2, line 17 - page 5, line 41  page 9, line 23 - page 11, line 20  -----</p>	1-25

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Inter Application No  
PCT/IB2004/051819

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 5111425	A	05-05-1992	JP 2194460 A JP 2712131 B2	01-08-1990 10-02-1998
US 4782439	A	01-11-1988	GB 2201269 A , B JP 63288353 A	24-08-1988 25-11-1988
US 4716523	A	29-12-1987	BR 8602560 A CA 1243125 A1 DE 3688810 D1 DE 3688810 T2 EP 0204960 A2 JP 1754451 C JP 4050623 B JP 61288248 A	03-02-1987 11-10-1988 09-09-1993 17-03-1994 17-12-1986 23-04-1993 14-08-1992 18-12-1986
US 2003093492	A1	15-05-2003	US 2005005036 A1 AU 2603901 A WO 0148620 A1	06-01-2005 09-07-2001 05-07-2001
WO 9409436	A	28-04-1994	AU 5442494 A WO 9409436 A1 US 5469548 A	09-05-1994 28-04-1994 21-11-1995